

"The Northwest's Largest Ham Convention"



SEA-PAC '14

June 6, 7 and 8, 2014

NORTHWESTERN DIVISION ARRL
Seaside Convention Center, Seaside Oregon

Commercial Exhibits • Giant Flea Market • Seminars
Banquet/Entertainment • VE Testing • DX & YL Luncheons

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Exhibitor Contact: SEA-PAC Convention
Al Berg, W7SIC PO Box 25466
exhibitors@seapac.org Portland, OR 97298-0466

Registration Contact:
Melissa Nelson, KF7JK
registration@seapac.org

◀ www.seapac.org ▶

I want to be part of SEA-PAC '14 - Please send me:

☐ Registration Form ☐ By e-mail ☐ By US Mail

☐ Flea Market Information

☐ Commercial Exhibit Rates and Contract

☐ I would like to See or Present (circle one) a Seminar on...

Topic _____

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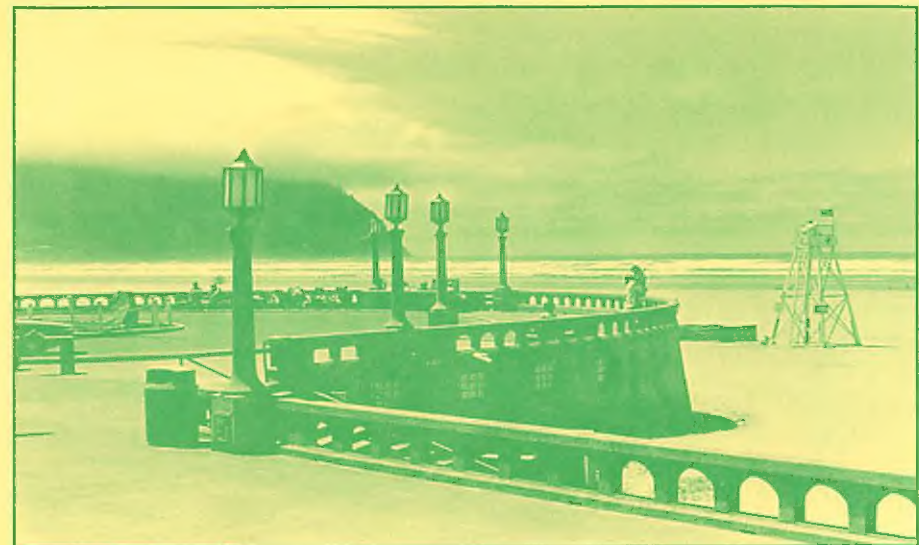
Fill out this form — Leave at the Registration Desk
to receive information on SEA-PAC '14.



SEA-PAC



ARRL Northwestern Division Convention



Seaside Convention Center Seaside, Oregon

May 31, June 1 and 2, 2013

www.seapac.org

Presented by the
Oregon Tualatin Valley
Amateur Radio Club



Welcome to Sea-Pac!

Once again it is our pleasure to welcome you to *Sea-Pac*, the premier Ham Convention in the Northwest. After a fantastic 30th anniversary event in 2012, we embark on the next chapter of this wonderful event. While it is always hard to improve on the fantastic work of past events, the *Sea-Pac* committee is committed to making your visit with us both pleasurable and memorable. Some subtle changes are made each year as we continue to grow with new technology and experience.

This past year has also seen much growth and awareness of our hobby. The ranks of amateur radio are increasing and recent disasters have highlighted the continuing need for "Hams" to respond. As is seen on some t-shirts "When all else fails call on a ham". The hams of the world have always stepped up in the time of need and provided that much needed communication link. We are also seeing more interest from younger people as they find that amateur radio is not only fun, but also educational. Whether that be "rag chewing" with someone in another country or building some "homebrew" equipment. Yes, "homebrewing" still exists and there are some wonderful kits available also.

So, as we embark on year 31, please know that your continued support for *Sea-Pac* is greatly appreciated. We remain proud of our history and that our attendees come not only from Oregon, but from Washington, Idaho, Montana, Northern California, and Canada. Thank you all for your fantastic support!!!!

Co-Sponsors of *Sea-Pac* include the Clark County Amateur Radio Club, Seaside Tsunami Amateur Radio Club, and Sunset Empire Amateur Radio Club.

Herbert L. Hirst

Herbert L. Hirst, K7HLH, President
Oregon Tualatin Valley Amateur Radio Club
Sea-Pac Convention Sponsoring Club

Sea-Pac, the annual Northwestern Division ARRL Convention, is sponsored by the Oregon Tualatin Valley Amateur Radio Club.

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Ann Boyd

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Michael Nelson, N7IQM

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Kathy George, KC7USE

Kirstin Tomson, K7KUT

SEMINARS

Clark County A.R.C.

Delvin Bunton, N7QMT

George Dover, W7GEO

SPECIAL EVENT STATION

Ron O'Conner, KD7VIK

Russ Mickiewicz, N7QR

TALK-IN STATION

STARS (Seaside) and Sunset

Empire (Astoria) A.R.C.

Robin Knoll, KN0LL

Pat Love, KE7RBM

Albert Wood, KE7OUE

Hal Dennison, WA7FIV

Pat Craig, KF7VXM

Greg Filliger, N7RIA

Pat Haggard, AE7QU

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Eric Keerbs, AD7HM

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Ken Woolston, KE7OSO

Dave Wright, N7DWL

Cindy Kenyon, KC7UJD

Michael Nelson, N7IQM

Ivan Loock, N7PRM

Geoff Apgar, W7JEZ

Steve Brice, NA7T

Wes Allen, K7WWG

Steve Coan, KA7MOW

SETUP-FLEA MARKET

Lynn Hurd, WB7UNU

Tom Hill, WA3RMX

Jack Smithson, KA7HOJ

Dave Wright, N7DWL

V.E. TESTING

Carl Clawson, W57L

John Bucsek, KE7WNB

Raul Gonzalez, N7BAR

Bruce Maxwell, N5GB

Rich Morgan, KD7GIE

Ron Schlitzkus, W7HO

James Gregg, N7JRG

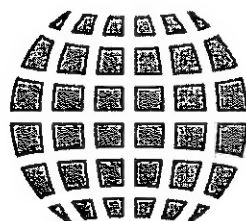
Frank Ravenswood, K2NCC

Mike Nolan, AE7OA

Russ Mickiewicz, N7QR

RAGS Country Store

As a service to flea market buyers the RAGS (Radio Amateurs of the Gorge) club provides a testing center for equipment. Power supply, voltmeter, service monitor, oscilloscope and frequency counter are a part of our testing ability. Check out what you are considering buying. Have a piece of gear to sell? We consign for you and at a reasonable charge. Neither RAGS nor *Sea-Pac* can accept responsibility for the condition of any equipment nor can be held responsible for any damage as a result of use of test gear. As an additional service to the amateur radio community, RAGS also provides a Country Store where rigs and other equipment will be displayed for sale. Remember, your boat anchor is someone else's dream machine!



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The 6th Annual STARS/SEARC

All You Can Eat Spaghetti Dinner

Everyone Welcome

Friday, May 31, 2013 from 5:00 p.m. to 8:00 p.m.

Bob Chisholm Center, 1225 Avenue A, Seaside, OR

Adults \$8

Children 7-12 \$6

\$1 off admission with proof of Ham license or *Sea-Pac* Registration.

*Please express your appreciation to the dedicated volunteers that made
Sea-Pac 2013 possible.*

Committee Chairs & Co-Chairs are listed to the right in italics.

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V.E. TEST SESSION

*Testing at Our Savior's Lutheran Church—East Parish Hall
(North—across the street from the Convention Center)*

One Session—Saturday at 9 AM

Pre-registration requested. Walk-ins — Space Available



Sea-Pac WELCOMES OUR ARRL GUESTS



Jim Fenstermaker, K9JF, ARRL Northwest Division Director, has served as ARRL Northwestern Division as its Director for eight years. Previously he served as the NWD Vice-Director for six years. During this time, Jim was appointed to the ARRL Administration and Finance Committee for six years, including three years as committee chairperson. Other assignments on the ARRL Board of Directors include service on the Programs and Services Committee, and the Legislative Action Committee. Currently, he is serving on the Executive Committee and is a Board member on the ARRL Foundation. Jim also was a member of the ARRL Boy Scout Committee.

Prior to his ARRL service, Jim was president of the Clark County (WA) Amateur Radio Club and Willamette Valley DX Club. He founded the Greater Milwaukee (WI) DX Club. Jim and Shirley, W7SAF, have been residents of the Pacific Northwest for nearly 30 years after moving here from the Midwest. Jim is an active DX'er holding #1 DXCC Honor Roll with all of the DXCC Entities worked and confirmed (368 DXCC entities confirmed) as well as a 9-band DXCC award (160-10 meters). He participates in DX Contests as a "hired gun" from large contest stations around the Northwest and other locations. His latest endeavor was to work 100 Grids on Six Meters. This was accomplished in 2012.

James (Jim) D. Pace, K7CEX, ARRL Northwestern Division Vice Director was first Licensed in 1957 as KN7CEX, he upgraded to General in 1958. Over nearly 56 years, Jim has been an active operator, promoting Amateur Radio and ARRL at every opportunity. He has served as an OES, DEC, SEC and ASM in Western Washington. As Section Manager, he worked hard to strengthen Amateur Radio in Western Washington, including the ARES program which has become one of the more successful in the Nation. The Western Washington OO program is the most active in the Nation, logging several hundred hours of monitoring each month and the Technical Specialist program has become a Technical Assistance program, for the benefit of all Hams - new or old.




Over the past four years Jim has worked hard to develop good relationships between Western Washington Amateur Radio Community and our served agencies, such as: Department of Natural Resources, FEMA Region 10, Washington Emergency Management Division, Washington State Patrol and State Guard, and many others including our County Emergency Managers. Jim is currently serving as the Washington State RACES Officer and represents Amateur Radio on the State Emergency Communications Committee (SECC), which oversees the EAS and AMBER alert programs. Jim has 2 children; Tammy who lives in Pensacola Florida and Zach who lives in Beaverton, Oregon. Jim is retired but fills his time with church work, time with his children and Ham Radio.

Douglas Dunn, K7YD Montana Section Manager

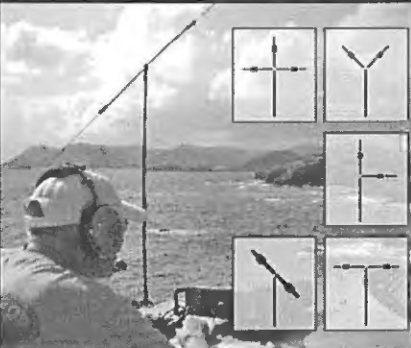
Doug Dunn, K7YD, became interested in radio and communications when he was very young. He always wanted to get into the hobby and learn it well. One day when Doug was home sick from school he decided it was a great time to work on the Morse Code. Doug finally learned morse code and got his ticket in a short time. The interest he had in electronics helped to secure his career at Pacific Northwest Bell when completed high school. For a couple years, Doug was stationed in the Philippines doing electronics maintenance and operations for the MARS program for the local station, NORSN. He was transferred to Mountain Bell in late 1980 until retirement was offered to him in 1995. In 2002, he became the Montana Section Manager and have truly enjoyed the position.





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BUDDIPOLE FEATURES

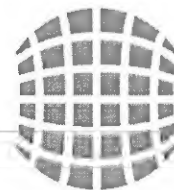
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Bonnie Altus, AB7ZQ Oregon Section Manager



Bonnie Altus, AB7ZQ, is in her fourth two-year term as Oregon's ARRL Section Manager. Prior to becoming Section Manager, she was President of the McMinnville Amateur Radio Club for two years in 2000-2001 and the District 1 Net Manger for three years around that same time. Bonnie has also served briefly as the District 4 Net Manager, an AEC for Yamhill County ARES and in January 2006 became EC. Bonnie is currently working for a number of colleges as an adjunct instructor and teaches both online and in the classroom for Oregon Tech. She also teaches online with Clark College in Vancouver, UCLA Extension, DeVry Online and a few others. For most of her jobs, Bonnie has had a flexible daily schedule and can work from anywhere as long as she has internet access.

SCHEDULE OF EVENTS

Friday, May 30

Friday Workshop (Shilo Inn)

Sea-Pac Registration Open

Exhibitor & Flea Market (Setup Only)

Friday Workshop Lunch (Shilo Inn)

Spaghetti Dinner (Community Center)

9:00 AM – 5:00 PM
11:00 AM – 8:00 PM
11:00 AM – 8:00 PM
12:00 noon - 1:00 PM
5:00 PM – 8:00 PM

Saturday, June 1

Exhibitor/Flea Market Set-Up

Registration Open

VE Exams (Our Saviour's Church E. Parish Hall)

Exhibits & Flea Market Open

Snack Bar (Convention Center)

Seminars (Convention Center)

Hourly Prizes

DX Luncheon (Shilo Inn)

YL Luncheon (Shilo Inn)

ARRL Forum (Seaside A&B)

Special Sea-Pac Prizes

Pre-Banquet Happy Hour (Convention Center)

Sea-Pac Banquet (Convention Center)

7:30 AM – 9:00 AM
8:00 AM – 4:30 PM
9:00 AM – Noon
9:00 AM – 4:30 PM
9:00 AM – 4:30 PM
10:00 AM – 5:00 PM
10:00 AM – 3:00 PM
11:30 AM – 12:45 PM
11:30 AM – 12:45 PM
1:00 PM – 2:15PM
2:30 PM
6:30 PM – 7:15 PM
7:15 PM – 9:30 PM

Sunday, June 2

Registration Open

Exhibits & Flea Market Open

Hourly Prizes

Snack Bar

Seminars (Convention Center)

Sea-Pac Prizes

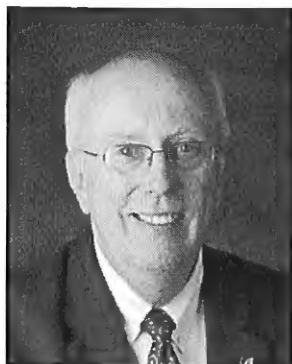
Convention Closes

8:30 AM – 12:00 PM
9:00 AM – 1:00 PM
9:00 AM – 11:00 PM
9:30 AM – 12:30 PM
10:00 AM – 12:00 noon
1:00 PM
2:00 PM

Sea-Pac co-Sponsors include Clark County Amateur Radio Club, Seaside Tsunami Amateur Radio Club, and Sunset Empire Amateur Radio Club.

Thanks to convention volunteers for their assistance. We invite everyone to enjoy themselves to the fullest and be a part of making this event a success.

Jay Bellows, K0QB ARRL Special Guest



John B. "Jay" Bellows, K0QB, serves as ARRL International Affairs Vice President. First licensed at age 13, his former calls include, KN0QBE and K0QBE. He has held K0QB since 1996. Jay has been active in local clubs, primarily the St. Paul Radio Club, since he was first licensed and has held a variety of club offices over the years. On air activities have included traffic handling and public service communication. At present Jay's on air activities are primarily chasing DX and some contesting.

A Volunteer Examiner and Volunteer Instructor for more than 25 years and an active Volunteer Counsel for nearly 20 years he received the Dayton Hamvention Special Achievement Award in 1998 for his work as a Volunteer Counsel.


In 1996 Jay was appointed a Dakota Division Assistant Director. He was elected Dakota Division Vice Director in 1998 and Division Director in 2000. He served as Dakota Division Director until 2010 when he was elected ARRL IAVP. During his Board tenure he has served on and has been chairman of both standing committees of the ARRL Board and was elected Director and Vice President of the ARRL Foundation. Other Board activities have included service on the ARRL Executive Committee and several ad hoc Board committees.

Jay has had a long standing interest in amateur international affairs which began when he was appointed as Vice-Chairman of the ARRL Host Committee for the 1998 ITU Plenipotentiary Conference in Minneapolis and has continued throughout his ARRL Board service.

Jay holds a B.A. degree from the University of St. Thomas and a Juris Doctor Degree from the William Mitchell College of Law. He has been a practicing attorney since 1970. Jay and his wife, Bonnie, reside in West St. Paul, Minnesota. They are the proud parents of two adult daughters and proud grandparents of three grandsons.


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DX Special Interest Group Luncheon Speaker David Brandenburg, K5RQ



David was licensed an Amateur Radio Operator in 1959. Call signs included K5RQ, ZF2DR, W5QWF, and K8PJY. David earned a BSEE from the University of Michigan and a MSEE from Southern Methodist University. Currently the President and CEO of a private charitable 501(c)(3) foundation, Brandenburg Life Foundation, which he and his wife founded in 1996. He also serves on the board of Viewcast Inc. in Plano, TX, President's Advisory Board at University of Texas at Dallas, two HOA Association BODs and is Chairman of the A.R.R.L.'s Second Century Campaign (SCC). Previous

careers include Chairman of Board & CEO of Intervoice Inc. in Dallas, TX, President & CEO of Answersoft, Inc. also in Dallas, TX, President & Co-Founder of Entre' Computer Center, Division Manager of Systems R&D for Electrospace Systems, Inc. and Radar Design Engineer with Texas Instruments in Dallas, TX. Hobbies include what he calls his '4R's'... Radio, Running, Reading and Relaxing.

YL Luncheon Facilitator Barbara Yasson, AC7UH



Barbara Yasson, AC7UH, hails from Evansville, IN. She attended Indiana University, graduated with a Masters in Library Science, and became the Technical Services Librarian at the Chesapeake, VA, Public Library. While in Chesapeake she met and married her husband, Phil Yasson, AB7RW. They moved to Vancouver, WA in 1985 and built a house on a lot just large enough for a tower. When Barbara's father, KA9SXB, became a silent key he left his station to the Yassons. Barbara and Phil received their

first licenses in 1995 and joined the Clark County Amateur Radio Club. Both of them served on the Board, and Barbara became the first woman elected president of the club in 2002. Currently she is club Secretary. Barbara enjoys working public service events, SSB, RTTY, at least one contest a year, and teaching a YL Technician Class. She is a member of YLRL and the MINOW Net.

BANQUET

Sea-Pac is very pleased to welcome

Jack Crabtree, W7JLC

Amateur Radio Ballooning - Education at the Edge of Space



Jack Crabtree was first licensed in 1962 at the age of 13 and has been active in amateur radio ever since.

He served as a U.S. Navy Radioman from 1967 to 1970 and was stationed in Alaska and Viet Nam. His career was with Lockheed Martin in Denver, Colorado where he spent 26 years as a satellite communications engineer.

Jack was an active AMSAT member and served as a regional coordinator and as vice president of Field Operations in 1989-90. He participated in the final integration and environmental testing of Oscars 10, 13, 16, 17, 18, and 19.

After the launch of the AMSAT Microsats in 1989, Jack co-founded Edge of Space Sciences (EOSS) in Colorado with the explicit goal to "Promote Science and Education through Amateur Radio and High Altitude Balloons." After being transferred to Arizona in 2000, Jack founded Arizona Near Space Research (ANSR) where he continues his tradition of involving students in numerous amateur radio high altitude balloon projects and flights. After retirement from Lockheed Martin, Mr. Crabtree became an Adjunct Professor for Embry-Riddle Aeronautical University in Prescott, AZ. He currently mentors ERAU's Project HiBall which has conducted eleven high altitude balloon flights to date. His total number of flights is currently 130 involving over 800 students, elementary through college levels. Many of these flights were and continue to be sponsored by the NASA Space Grant Consortium.

Master of Ceremonies: Everett Curry, W6ABM

BANQUET PRIZES

Yaesu VX-6R Tri-Band HT

Keurig K-Cup Coffee Maker

SEMINARS

3C	Clay covers the building and operation of the N7QNM-10 weather station in Prosser, WA. The station monitors the weather at our retirement home in Prosser using APRS, so that I could monitor the weather remotely. The station is fully self-contained, solar-powered, and operational since June 2011.
3D	CHIRP is free software that provides a cross-platform replacement for the OEM software used to program many radios. Over 50 radio models are supported, and more are in development. Learn how to generate a single list of channels and program all of your (and your friends') radios alike.
3E	This seminar will answer the questions; "What is all that contest noise that I hear on the air every weekend?" along with "How can I get in on the fun?" You will learn about radiosport contests and contesting, some radiosport history, and how beginners can use radiosport activities to master new skills and have fun too!
3F	Learn the basics of software-defined radio.
3G	Learn about MESH networks and how to use your IP Phones, cameras, chat and web services on your resilient NW-Mesh network
3H	It's time for ham radio to gain the lead in digital communications, starting by building a modern network in the Puget Sound. This talk covers the design of the network and the challenges faced in realizing such a project on a tight budget.
4A	Want to join the fun? An introduction to the adventure of hidden transmitter hunting, in cars and on foot. Dale will demonstrate simple equipment and techniques to get you started. Follow up with an after-lunch 2m hunt on foot through Seaside.
4B	Oregon ARES/RACES provides the bulk of the amateur radio emergency communications services in Oregon, especially for county and local governments. We'll review what ARES/RACES is, and what the organization does. We'll look at training and exercises, problems and accomplishments. And, yes, we'll try and recruit you!
4C	Club management issues that you should know. Record keeping, 'governance' and running meetings, finances and fiduciary duties, insurance and property, and things you might never have thought of but would be good to know (Q & A).
4D	No internet access due to an emergency? At a campground out of range of cell phone coverage? On a yacht in the Caribbean? Learn how to get started (and more) with WinLink 2000: the worldwide system that supports non-commercial e-mail by radio.
4E	Construction and design for a 1000 foot Beverage antenna
4F	Interactive discussion of the laws and rules affecting ham radio with emphasis on recent developments.
4G	Learn some useful aspects of spectrum analysis and spectrum analyzer tools.
4H	[Open at press time]
5A	Features of handhelds vs. mobiles, antenna chokes for handheld/portable/mobile, power sources including battery/solar/wind with power poles connectors and fusing, and how to program with software and from the keypad. Bring your radio and practice.
5B	Learn about tactical nets used for emergency communications, net control responsibilities, how to operate efficiently as net control, establishing tactical callsigns, and logging net activity. Bring your radio and practice..
5C	Demo simplex repeater, cross-band repeater setup, UHF suitcase repeater, VHF portable suitcase repeater with 2.9 MHz offset, and special programming required by these systems. Bring your handheld and learn to program them for the portable systems.
5D	A look at terms from the FEMA AUXCOM course for amateur radio operators, specific forms for communicators, methods for integrating amateur emergency communicators into the Communications Unit working with the COML
5E	Introduction to various coordinate systems (Lat/Long, UTM, etc.), basics of mapping and positioning systems, basic compass use and orienteering, introduction to various map types.
5F	Learn how to change your relaxed amateur communications into efficient professional communications when needed for emergencies. Learn techniques used by dispatchers and public safety personnel to make communication details accurate.
5G	What to plan for, and what actually happens. Learn what operators really need to know when deployed to actual events. Walk through planning, deployment, and what is actually needed based on deployments in SW Missouri including the Joplin and Branson tornados.
5H	Design considerations and examples of suitcase radio systems for Emergency Communications. When all else fails, ham radio operators show up with the equipment to establish and continue communications

SEMINARS

The synopsis of each seminar is shown below.

Refer to the column numbers and row letters on pages 22-33 to find the time and location for the particular one you are interested in.

1A	The hurricanes and storms on our East and Gulf Coasts, wind storms here in the Pacific Northwest, electrical power grid failures in the Northeast, and other events, show a need for EMCOMM with a truly independent radio system which can do that job. Here are some ideas on how you can set up yours.
1B	Blow away the smoke and lore of antennas, and learn what really makes them work. Gain some ideas on how to improve your antennas, and maybe even learn how to build your own.
1C	Summits On The Air (SOTA) is a runaway success. Most Northwest SOTA summits require no technical mountaineering skills. Mountain air is fresh and RF noise is very low. A modest antenna works great when the land drops off all around. Learn how it's done from Washington State's SOTA manager.
1D	Meet and learn from your ARRL Section and Division representatives, and share your opinions on various subjects.
1E	General methods for operating portable. How to successfully operate in various situations. Budd will talk about antenna experiments using imagination and simple parts.
1F	Fred Lloyd, AA7BQ, founder of QRZ.COM, will review QRZ's humble beginnings as a single user dial-up bulletin board to the world's most popular amateur radio website, now with more than half a million registered users. Join Fred as he talks about what it's like behind the scenes, and just how much engineering goes on when you click the Search button. He'll also give tips on how to put together your own great looking call sign page and will be taking questions from the audience on any topic relating to QRZ. Be sure not to miss the Q&A session, where Fred will entertain you with stories and anecdotes taken from more than 20 years as a publisher and web site operator.
1G	Whether you want to provide communications for a 3 hour parade in the summer, or to help an agency in a 72 hour emergency, or just "be ready", you want a radio go kit. What is a go kit? What goes in it? How do carry all that stuff? Join us for an interactive session to share best practices. (Bring your go kit if you want!)
1H	OK, you've made the contact with the 'rare DX'. (any DX is rare, if YOU haven't worked it yet!). Question is, now how do you get the QSL? Well look at how to do that, QSL'ing 'do's and don'ts, problems and solutions, from what to have (and not to have) on your QSL, and the in's and out of the QSL bureau and electronic QSL'ing.
2A	K7AGE's presentation shows the basics of PSK-31 and how to easily get on the air. Randy has posted many videos to YouTube. His PSK series is very popular and has helped hundreds of amateur radio operators get on the air with PSK-31.
2B	How to start, build and run a successful company in the amateur radio business.
2C	A new generation of Yagis is coming out of England these days, some fed with loops, some with bent elements. And they're reputed to have excellent pattern and listening capability. Find out about these new developments and what they can do for you.
2D	Use your HT portable radio to monitor the spectrum using preset frequencies as high as your HT will go. Great for EOC and EmComm and Field Day Noise. Noise is Noise. Also Included are many very useful AM, FM, Cable TV, ELT, and VHF Weather channels.
2E	How ARRL and IARU work to protect amateur radio internationally
2F	Buddies in the Caribbean 2012 DXpedition activated St. Lucia in December 2012. Learn about the preparation, travel plans, what went well, and what have gone better. Plan one yourself.
2G	Where is Ground? Or the Counterpoise? And why does my Beam or Dipole antenna not work when installed up against a giant metal object? Great quick antennas using a damaged (Large-Event-driven) piece of coax that was connected to a now damaged Beam and tower.
2H	With some advance planning your special event (and the follow-up) will go much smoother. Gain some ideas to help yours go very well. Learn how an idea at SeaPac 2007 led me to run W1AW/KL7 at an Icom-sponsored event at the Arctic Circle.
3A	An Amateur Radio station installed in a private home, commercial or public building must meet the local building codes, meaning your station must comply with the National Electrical Code (NEC). This seminar will discuss NEC Articles that apply the Amateur Radio. Learn how to navigate the Code.
3B	Location, Location, Location. Riding the Gray-Line from up on top of North America. Oh, the Pile-ups. Imagine running DX stations from the Arctic Circle when the Reported Sunspot Activity is Zero In 2008 a large number of the Alaskan Clubs came to put W1AW/KL7 on the air from the Arctic Circle.

EXHIBITORS

AE9RB Radio Kits
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 ARRL
 ARRL 7th Area QSL Bureau
 Badge Boys
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 Buddipole Antennas
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Beaverton Round Table Pizza

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Pulse Electronics (Larson Antennas)

Portable DX: Budd, W3FF	ARRL on the International Scene. Jay, K0QB	Radiosport fun for Beginners. Mike, W7VO/Steve, W7XQ	Building a 1000 foot beverage Antenna. Wilse, WX7P	EmComm 5: Mapping and Coordinate systems for Emergency Communicators. Robert, KK7RB
QRZ Fred, AA7BQ	Buddies in the Caribbean 2012. Everett, W6ABM	Intro to Software-defined Radios. Jeremy, NH6Z	Ham Radio Law. Phil, K2ASP	EmComm 6: Being Professional with Emergency Communications. Gary, K7GJT

E

3:00

F

4:00

Sunday

What's in your go-kit? Scott, W7SLS	Antennas for EOC and EmComm Use. Where is Ground? Bill, KL7BB	I'm MESHing. Now What? Adding Services to your MESH network. Curt, WRSJ	Introduction to Spectrum Analysis. Greg	EmComm 7: ABCs of Deployment. Daron, N7HQR
Success with QSLing. Vince, K7W	How to successfully plan and operate a special event station. Bill, KL7BB	HamWAN: Modern multi- megabit IP-based digital wide area network for amateur radio use. Bart, AE7SJ		EmComm 8: Portable Radio Systems. Scott, N7SS

G

10:00

H

11:00

SEMINARS

Due to publication deadlines we apologize for any changes or omissions.

SEMINARS

See Pages 24-25 for Seminar Synopsis (use column number and row letter)

Day & Time	Seaside B/C	Seaside A	Riverview A	Riverview B	Riverview C
Saturday	1	2	3	4	5
10:00	A "When all else fails" ham radio EmComm station. Ralph, N7KGA	Going digital with PSK31. Randy, K7AGE	Applying the National Electrical Code to Your Amateur Radio Station. Tim, KD7RUS	Getting started with fox-hunting (hidden transmitter hunting). Dale, WB6BYU	EmComm 1: VHF/UHF radios for Emergency communications. Dan, KK7DS
11:00	Blowing Away The Smoke & Mirrors of Antenna Operation. Roy, W7EL	Elecraft Story. Eric, WA6HHQ	Arctic Circle Dying the World. Bill, KL7BB	Oregon ARES/RACES. Vince, K7VV	EmComm 2: Tactical Nets for Emergency Communications. Daron, N7HQR
12:00	Ham adventures on Washington summits. Bruce, N7RR	New Geometries for High-performance Yagi Beam Antennas. Chip Margelli K7IA	Building and Operating a solar-powered remote APRS Weather Station. Clay, N7QNM	What you don't know CAN hurt you (and spoil all the fun): Management and legal issues for clubs. Grant, KB7WSD	EmComm 3: Emergency Communications Repeaters. Dan, KK7DS
1:00	ARRL Forum. Jim, K9JF/Jim, K7CEX/Jay, KOQB	Interference Trouble shooting of your HF/VHF/UHF Radio Site using your HT portable Radio. Bill, KL7BB	Program all your radios with CHIRP. Dan, KK7DS	WinLink 2000: Send/Receive email by radio. Scott, W7SLS	EmComm 4: Supporting emergencies and the Communications Unit. Scott, N7SS

PRIZES

ALL PRIZES SUBJECT TO CHANGE

Sunday, 1:00 - 2:00 pm

Need not be present

Yaesu FT-450D HF/50MHz Xcvr
Kenwood TS-480SAT HF mobile
Kenwood TH-D72A Dual Band HT
Alinco DJ-G7T Tri-Band HT
Icom IC-T70A
Apple iPad Mini
Samsung 22" LED HDTV

Early Bird Prize

Registration postmarked by April 15, 2013

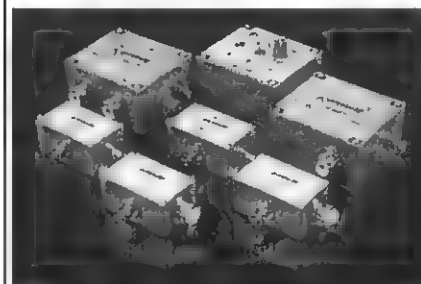
Yaesu FT-8800R Dual Band Mobile
Kenwood TH-F6A Tri-Band HT

Yaesu FT-8900R Quad Band Mobile
Wouxun KG-UV3D Dual Band HT
Alton 1KW 120vac/12dc Generator

HOURLY PRIZES

Hourly prizes posted for two hours in the lobby and on stage. *Unclaimed prizes are reissued!*

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Happy Birthday ARRL!

2014 is the 100th Anniversary of the ARRL. The achievement of this milestone is one that not many organizations achieve. The ARRL will hold its National Convention in July 2014 celebrating this event. It is hoped that mini-celebrations will be held in select Division-level conventions in areas of the country. The *SeaPac* 2014 Northwestern Division Convention will, hopefully, be one of these regional events. We will keep you posted as planning progresses.

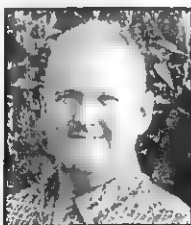
Monte L. Simpson, K2MLS Western Washington Section Manager

First Licensed as a Technician in 1992 as KB7RID then upgraded in 2007 to General. For over 20 years he has been an active operator, promoting Amateur Radio and the ARRL at every opportunity. Has served as a AEC, EC, DEC, ASEC, OO and ASM in Western Washington. As Section Manager, he works hard to strengthen Amateur Radio in Western Washington. The ARES program is head and shoulders above other programs in the country. Our OO program is the most active in the nation, logging several hundred hours of monitoring each month. The Technical Specialist program has transformed into a Technical Assistance program, for the benefit of all Hams - new or old. Believes the health of the ARRL and continued growth are based on the key components of our Affiliated Clubs and the VE program. We need to attract young energetic hams into our ranks. ARRL is truly an organization of diversity in many aspects.

Monte, and his wife June of 45 years, have 2 children; Tiffany, who Lives in Bremerton and Lamont who lives in Fall River MA. He is employed full time by the State of Washington where I am a public safety communications manager. For the past nearly five years he has served in the Washington State Guard. Currently holds the rank of CW5 and is the Officer In Charge of their EMCOMM unit.



SEA-PAC '13 PIN Design Winner



David Murphy, KF7MLE, has been a ham in the Pacific Northwest since October, 2010. Becoming licensed was something he wanted to do since college. His original intent was to have a radio that reached within a 50 mile radius of his QTH. David has far exceeded that. His primary interests in

the hobby includes working and helping with repeaters, IRLP and HF. It's an exciting hobby that allows me as an engineer for a local hospital to assist in the emergency communications management team. David will always cherish the friendships he has made in the last few months and the new ones still to come.

Be sure and purchase your 2013 SEA-PAC pin at the registration desk.



Edward Stuckey, AI7H Idaho Section Manager

Ed Stuckey, AI7H, was originally licensed as KNØINT back in 1957. During the working career, he was a Naval officer for six years then an industrial engineer and project manager for Nestlé USA for 33 years, principally located in the Los Angeles area. In 2004, Ed moved to Idaho and has loved every minute of it.

Ed is currently a member of Kootenai Amateur Radio Society (KARS) located in Coeur d'Alene, ID. He has been the ARRL Section Manager for Idaho for the past four years, spending oodles of time doing all the things that a SM does. Recent special attention has been focused on strengthening the emergency communications organization in the state. While not SM'ing, he is a local Elmer, getting two or three new hams established each year; and an avid home-brewer (of radio stuff), particularly interested in antenna and transmission line installation and safety. Operating activities include low-band DXing (especially 160 Meters), NTS nets, occasional contesting, and generally roaming the bands looking for a casual QSO mostly on CW.



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FRIDAY WORKSHOP

"Radio fun without spending a fortune"

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	Subject	Presenter
9:00AM - 12:00 noon	Welcome and Introductions, Housekeeping	Delvin Burton N7QMT
	Successful DXing with a little pistol station	Bob Norin W7YAQ
	Getting high on mountains with ham radio!	Taylor Smith K7TAY
	Antennas for a city lot	Chip Margelli K7JA
Noon - 1:00PM	Lunch	Shiloh Inn
	Lunch speaker: A look inside the 7th Area QSL bureau	Marc Willis NE7C
1:00PM - 5:00PM	Portable antenna systems for EmComm (and having fun with them)	Ralph Javins N7KGA
	Operating VHF portable	Lynn Burlingame N7CFO
	Get out and 'Do it': Portable operation fun	Grant Hopper KB7WSD
	Learning how to BE DX: As told by a newbie DXpeditioner	Rocky Evans NE7D

2013 Sea-Pac "Seamist" Meeting Room Schedule

Saturday

9:00 am - 10:30 am	Oregon Section Cabinet	Bonnie Altus, AB7ZQ
10:30 am - 12:00 Noon	NTS meeting	Scott Gray, W7IZ
2:45 pm - 4:15 pm	Oregon ARES	Vince Van Der Hyde, K7VV

Sunday

9:00 am - 10:30 am	Western Washington ARA	Keeny Richards, JU7M
10:45 am - 12:15 pm	ARRL NW Division Cabinet	Jim Fenstermaker, K9JF

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2/UHF



KENWOOD TM-D710A
2M/440 Dualband



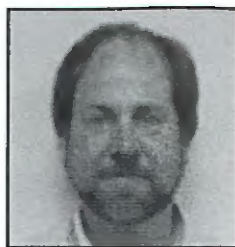
AvMap G6-APRS Navigator



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Mark Tharp, KB7HDX Eastern Washington Section Manager

Mark Tharp, KB7HDX was first licensed in 1989 after enrolling in a novice class offered by the Yakima Amateur Radio Club. He was elected to the office of Vice-President in the fall of 1989 and served as club president from 1992 thru 1997. Mark has served in a board level position in subsequent years. Mark now holds an amateur Extra Class license. He is a Life Member of the ARRL and has held numerous ARRL volunteer positions. Mark has held Section level positions of EC, DEC, OOC, ASM and AD. Mark's other amateur radio activities include search & rescue, AREA/RACES, contesting, repeater building, hamfests' and being an Elmer. He feels it is important for amateur operators to be involved by promoting and participating in not only League activities but amateur radio as a whole.

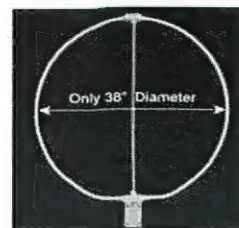


Chuck Mickley Memorial Scholarship Winner John Wheeler, KD7YZD



John Wheeler, KD7YZD, is this years' Sea-Pac Scholarship winner. John is currently finishing his sophomore year at Seattle Pacific University. He has been licensed since 2003 and upgraded to General in 2007. Then he began working with Clackamas Amateur Radio Emergency Services, and started pursuing training in Incident Command and Emergency Management. Working with Emergency Communications led him to decide to major in Electrical Engineering, with the goal of working one day in Public Safety Communications, doing such things as Interoperability, Digital Radio and Communications Systems Design. While studying at Seattle Pacific, John has been actively involved with Seattle Auxiliary Communications Service. Last summer he had the opportunity to intern with Icom America in their technical services division, working primarily with the IDAS digital system. He enjoys working QRP HF out of my dorm room, although it's challenging due to antenna restrictions. John is currently employed by the United States Coast Guard in a student position. John enjoys his amateur radio hobby and looks forward to seeing how it continues to impact his life as he moves through school into a career in communications.

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Jim Larson, AL7FS Alaska Section Manager

Jim Larsen, was originally licensed as WA0LPK from 1965-1985. Jim is a member of the Anchorage Amateur Radio Club (AARC) and the Elmendorf (AFB) Amateur Radio Society. Previous leadership roles included eight years as President or Vice President of AARC. He has been active as a radio operator in Shaktoolik, Alaska for the Iditarod Dog Sled Race and was the Race Communications Director in 1987. Jim is a retired Lt Col, USAF and worked for AT&T Alascom for 16 years.



Jim is currently a charter member on the Alaska Interoperability Communications Committee, a State of Alaska organization. He also is active with the Alaska Partnership For Infrastructure Protection. Most recently he was instrumental in placing amateur radio into the State Emergency Operations Center. As a 35 year Alaska resident, Jim has participated in HF from 160-10 meters (CW and SSB), A-1 Op, packet, PACTOR satellite, 6 meter, UHF, VHF, ATV, EME (2 meter WAS #36 from Alaska), DX, and QRP. QRP has lasted the longest and the strongest - 1970 to the present and he is a member of the Pacific Northwest QRP Group in the Seattle area.



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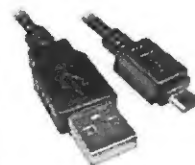


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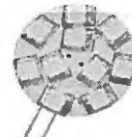
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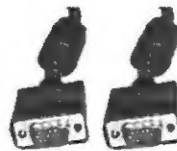
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